

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1356	719/328.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 17:38
L2	1244	707/202.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:17
L3	1356	719/328.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:17
L4	1244	707/202.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:17
L5	2107	711/162.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:17
L6	668	711/161.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:17
L7	0	711/38.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:18

EAST Search History

L8	357	711/138.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19
L9	1610	709/200.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19
L10	11011	709/201-203.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19
L11	1013	719/310.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19
L12	1012	719/311-313.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19
L13	6034	707/1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19
L14	3155	707/200.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19

EAST Search History

L15	1212	711/133.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:19
L16	433	711/135.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:20
L17	0	395/767.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:20
L18	0	395/676.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:20
L19	0	395/683.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:21
L20	28665	I1 or I2 or I3 or I4 or I5 or I6 or I8 or I9 or I10 or I11 or I12 or I13 or I14 or I15 or I16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:22
L21	0	I20 and dependec\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:23

EAST Search History

L22	2847	I20 and dependenc\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:23
L23	733	I22 and recover\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:23
L24	296	I23 and backup	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:23
L25	134	I24 and register\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:24
L26	120	I25 and object	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:24
L27	97	I25 and application same service	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:25
L28	382	I20 and backup near5 service	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:25

EAST Search History

L29	49	I20 and crash near5 service	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:25
L30	2148	I20 and API same service	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:26
L31	360	I20 and API same service and backup	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:26
L32	89	I20 and API same service and backup and crash	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 20:26
S1	0	("9505344").PN.	USPAT; USOCR	OR	OFF	2003/07/11 14:44
S2	0	goldick-jonathan\$.in.	USPAT	OR	OFF	2003/07/11 14:43
S3	1	"5872979".pn.	USPAT	OR	OFF	2003/07/11 14:45
S4	28	cabrera-luis\$.in.	USPAT	OR	OFF	2003/07/11 14:57
S5	18	cabrera-luis\$.in. and microsoft	USPAT	OR	OFF	2003/07/11 14:59
S6	15	(cabrera-luis\$.in. and microsoft) and volume	USPAT	OR	OFF	2003/07/11 15:01
S7	6	((cabrera-luis\$.in. and microsoft) and volume) and (backup or restore)	USPAT	OR	ON	2003/07/11 15:02
S8	4	((((cabrera-luis\$.in. and microsoft) and volume) and (backup or restore)) and recovery	USPAT	OR	ON	2003/07/11 15:02
S9	4	(((((cabrera-luis\$.in. and microsoft) and volume) and (backup or restore)) and recovery) and order	USPAT	OR	ON	2003/07/11 15:11
S10	1	(cabrera-luis\$.in. and microsoft) and snapshot	USPAT	OR	ON	2003/07/11 15:05
S11	16	(cabrera-luis\$.in. and microsoft) and API	USPAT	OR	ON	2003/07/11 15:14

EAST Search History

S12	2	API same (backup or recovery) same dependency	USPAT	OR	ON	2003/07/11 15:35
S13	5829	(backup or recovery) near5 (application or API)	USPAT	OR	ON	2003/07/11 15:37
S14	3429	((backup or recovery) near5 (application or API)) and volume	USPAT	OR	ON	2003/07/11 15:37
S15	286	((backup or recovery) near5 (application or API)) same volume	USPAT	OR	ON	2003/07/11 15:48
S16	1	"5731813".pn.	USPAT	OR	ON	2003/07/11 15:43
S17	13	"5731813".URPN.	USPAT	OR	OFF	2003/07/11 15:45
S18	19	((backup or recovery) near5 (application or API)) same volume) and API	USPAT	OR	ON	2003/07/11 15:48
S19	4484	709/328,203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/23 21:12
S20	3492	707/202,1.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/23 21:13
S21	794	711/161,162,38.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/23 21:13
S22	2	709/328,203.ccls. and 707/202,1.ccls. and 711/161,162,38.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/23 21:13
S23	8631	709/328,203.ccls. or 707/202,1.ccls. or 711/161,162,38.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/23 21:13
S24	68	(709/328,203.ccls. or 707/202,1.ccls. or 711/161,162,38.ccls.) and ((dependenc\$5 near2 information) or (dependenc\$5 near application))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/23 21:18
S25	11	(709/328,203.ccls. or 707/202,1.ccls. or 711/161,162,38.ccls.) and snapshot same API	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/23 21:19
S26	14	((among or between) near2 dependenc\$3) same API	USPAT	OR	ON	2003/12/25 14:28
S27	51	((among or between) near2 dependenc\$3) same recover\$5	USPAT	OR	ON	2003/12/25 14:28
S28	7	((among or between) near2 dependenc\$3) near5 application) same recover\$5	USPAT	OR	ON	2003/12/25 14:31
S29	19	(dependenc\$3 near5 application) same recover\$5	USPAT	OR	ON	2003/12/25 14:37

EAST Search History

S30	0	718/328.ccls. and (application near8 (state or dependency)) same backup	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:03
S31	0	718/328.ccls. and (application near8 (state or dependency))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:04
S32	0	718/328.ccls. and (application near8 (state or dependec\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:03
S33	0	718/328.ccls. and (backup near8 (state or dependec\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:04
S34	2	719/328.ccls. and (application near8 (state or dependency)) same backup	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:04
S35	130	719/328.ccls. and (application near8 (state or dependency))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:04
S36	6	719/328.ccls. and (backup near8 (state or dependec\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:04
S37	6	719/328.ccls. and (backup near8 (state or dependec\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:04
S38	76	707/202,200.ccls. and (backup near8 (state or dependec\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:04
S39	4	711/133,135.ccls. and (backup near8 (state or dependec\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:05
S40	0	395/676,683.ccls. and (backup near8 (state or dependec\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/05/23 14:05
S59	1	("5946698").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/26 10:56
S60	2	("5920873") or ("5938775").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/26 11:04
S61	1	("5870763").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/26 11:06
S62	1	("6067550").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/26 11:07
S63	1	("5530800").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/26 12:08
S64	1	("5898838").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/27 19:13

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S65	1	("5870763").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/27 19:19
S66	1	("6151607").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/27 19:20
S67	1	("6067550").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/27 19:21
S68	1	("5870763").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/27 19:22
S69	1	("5946698").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/27 21:44
S70	23765	application adj programming adj interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 21:44
S71	11	S70 and crash near5 database same application	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 21:55
S72	4	("5257369" "5325528" "5371889" "5701480").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/27 21:49
S73	1	S70 and S72	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/27 21:49
S74	159	S70 and oracle\$.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 21:55
S75	20	S74 and recover\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 21:56
S76	0	S75 and cras\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/27 21:56



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1 [Fast restoration of real-time communication service from component failures in multi-hop networks](#)



Seungjae Han, Kang G. Shin

 October 1997 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '97**, Volume 27 Issue 4

Publisher: ACM Press

Full text available: pdf(1.96 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

For many applications it is important to provide communication services with guaranteed timeliness and fault-tolerance at an acceptable level of overhead. In this paper, we present a scheme for restoring real-time channels, each with guaranteed timeliness, from component failures in multi-hop networks. To ensure fast/guaranteed recovery, *backup channels* are set up *a priori* in addition to each *primary channel*. That is, a *dependable real-time connection* consists of a pr ...

2 [A highly available scalable ITV system](#)



M. N. Nelson, M. Linton, S. Owicki

 December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29 Issue 5

Publisher: ACM Press

Full text available: pdf(1.64 MB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Fault tolerance under UNIX](#)



Anita Borg, Wolfgang Blau, Wolfgang Graetsch, Ferdinand Herrmann, Wolfgang Oberle

 January 1989 **ACM Transactions on Computer Systems (TOCS)**, Volume 7 Issue 1

Publisher: ACM Press

Full text available: pdf(1.97 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The initial design for a distributed, fault-tolerant version of UNIX based on three-way atomic message transmission was presented in an earlier paper [3]. The implementation effort then moved from Auragen Systems¹ to Nixdorf Computer where it was completed. This paper describes the working system, now known as the TARGON/32. The original

design left open questions in at least two areas: fault tolerance for server processes and recovery after a crash were brie ...

4 Comparing primary-backup and state machines for crash failures



Jeremy B. Sussman, Keith Marzullo

May 1996 **Proceedings of the fifteenth annual ACM symposium on Principles of distributed computing PODC '96**

Publisher: ACM Press

Full text available: pdf(138.02 KB) Additional Information: [full citation](#), [references](#), [index terms](#)



5 Frangipani: a scalable distributed file system



Chandramohan A. Thekkath, Timothy Mann, Edward K. Lee

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles SOSP '97**, Volume 31 Issue 5

Publisher: ACM Press

Full text available: pdf(2.20 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



6 Fault-tolerance in air traffic control systems



Flaviu Cristian, Bob Dancey, Jon Dehn

August 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(264.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



The distributed real-time system services developed by Lockheed Martin's Air Traffic Management group serve the infrastructure for a number of air traffic control systems. Either completed development or under development are the US Federal Aviation Administration's Display System Replacement (DSR) system, the UK Civil Aviation Authority's New Enroute Center (NERC) system, and the Republic of China's Air Traffic Control Automated System (ATCAS). These systems are intended to replace present ...

Keywords: exception handling, failure, failure classification, failure masking, failure semantics, fault-tolerant systems, group communications, redundancy, server group, software robustness, system architecture

7 What service replication middleware can learn from object replication middleware



Johannes Osrael, Lorenz Frohofer, Karl M. Goeschka

November 2006 **Proceedings of the 1st workshop on Middleware for Service Oriented Computing (MW4SOC 2006) MW4SOC '06**

Publisher: ACM Press

Full text available: pdf(340.42 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Replication is a well-known technique to enhance dependability and performance in distributed systems. A plethora of replication middleware for distributed object systems has been proposed in the past decade. However, replication in service-oriented systems is still in its infancy. In this paper, we analyze some of the proposed service replication middleware solutions and compare them on an architectural level with object replication middleware. In particular, we focus on replication middleware ...

Keywords: architecture, distributed object systems, middleware, replication, service-oriented systems

8 Research sessions: potpourri: Workflow management with service quality guarantees



Michael Gillmann, Gerhard Weikum, Wolfgang Wonner

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data SIGMOD '02**

Publisher: ACM Press

Full text available: pdf(1.29 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Workflow management systems (WFMS) that are geared for the orchestration of business processes across multiple organizations are complex distributed systems: they consist of multiple workflow engines, application servers, and communication middleware servers such as ORBs, where each of these server types can be replicated on multiple computers for scalability and availability. Finding an appropriate system configuration with guaranteed application-specific quality of service in terms of throughpu ...

9 Highly available systems for database applications



Won Kim

March 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 1

Publisher: ACM Press

Full text available: pdf(2.43 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

As users entrust more and more of their applications to computer systems, the need for systems that are continuously operational (24 hours per day) has become even greater. This paper presents a survey and analysis of representative architectures and techniques that have been developed for constructing highly available systems for database applications. It then proposes a design of a distributed software subsystem that can serve as a unified framework for constructing database applica ...

10 Understanding fault-tolerant distributed systems



Flavin Cristian

February 1991 **Communications of the ACM**, Volume 34 Issue 2

Publisher: ACM Press

Full text available: pdf(6.17 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

11 A message system supporting fault tolerance



Anita Borg, Jim Baumbach, Sam Glazer

October 1983 **ACM SIGOPS Operating Systems Review , Proceedings of the ninth ACM symposium on Operating systems principles SOSP '83**, Volume 17 Issue 5

Publisher: ACM Press


Full text available: pdf(1.07 MB)



Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A simple and general design uses message-based communication to provide software tolerance of single-point hardware failures. By delivering all interprocess messages to inactive backups for both the sender and the destination, both backups are kept in a state in which they can take over for their primaries. An implementation for the Auragen 4000 series of M68000-based systems is described. The operating system, AuroSTM, is a distributed version of UNIX*. Majo ...



12 Columns: Risks to the public in computers and related systems



Peter G. Neumann

-  November 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 6
Publisher: ACM Press
Full text available:  pdf(1.25 MB) Additional Information: [full citation](#), [references](#)

- 13 Replication in the harp file system 
Barbara Liskov, Sanjay Ghemawat, Robert Gruber, Paul Johnson, Liuba Shrira
September 1991 **ACM SIGOPS Operating Systems Review , Proceedings of the thirteenth ACM symposium on Operating systems principles SOSP '91**, Volume 25 Issue 5
Publisher: ACM Press
Full text available:  pdf(1.60 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



This paper describes the design and implementation of the Harp file system. Harp is a replicated Unix file system accessible via the VFS interface. It provides highly available and reliable storage for files and guarantees that file operations are executed atomically in spite of concurrency and failures. It uses a novel variation of the primary copy replication technique that provides good performance because it allows us to trade disk accesses for network communication. Harp is intended to be u ...

- 14 Viewstamped replication: a general primary copy 
Brian M. Oki, Barbara H. Liskov
January 1988 **Proceedings of the seventh annual ACM Symposium on Principles of distributed computing PODC '88**
Publisher: ACM Press
Full text available:  pdf(1.38 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 15 A principle for resilient sharing of distributed resources 
Peter A. Alsberg, John D. Day
October 1976 **Proceedings of the 2nd international conference on Software engineering ICSE '76**
Publisher: IEEE Computer Society Press
Full text available:  pdf(749.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A technique is described which permits distributed resources to be shared (services to be offered) in a resilient manner. The essence of the technique is to a priori declare one of the server hosts primary and the others backups. Any of the servers can perform the primary duties. Thus the role of primary can migrate around the set of servers. The concept of n-host resiliency is introduced and the error detection and recovery schemes for two-host resiliency are presented. The single primary, ...

Keywords: Distributed computer systems, Distributed control, Resilient protocols, Resilient resource sharing, Resource sharing

- 16 Flexible and efficient network services 
Gael N. Buckley
May 1985 **Proceedings of the 1985 ACM SIGSMALL symposium on Small systems SIGSMALL '85**
Publisher: ACM Press
Full text available:  pdf(627.45 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Distributed systems that are configured with many small workstations interconnected with

a few large servers are becoming more common in the computer science community. In many cases, requesting services across the net requires explicit specification of the name of the large server. Alternatively, designs have been proposed where it is the responsibility of the operating system to determine which active site should provide the service. In this paper we argue that making site location co ...

17 Distributed match-making for processes in computer networks (preliminary version)



Sape J. Mullender, Paul M. B. Vitányi

August 1985 **Proceedings of the fourth annual ACM symposium on Principles of distributed computing PODC '85**

Publisher: ACM Press

Full text available: pdf(961.22 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

18 Fast cluster failover using virtual memory-mapped communication



Yuanyuan Zhou, Peter M. Chen, Kai Li

May 1999 **Proceedings of the 13th international conference on Supercomputing ICS '99**

Publisher: ACM Press

Full text available: pdf(1.45 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

19 Distributed object computing platforms



Asuman Dogac, Cevdet Dengi, M. Tamer Öszu

September 1998 **Communications of the ACM**, Volume 41 Issue 9

Publisher: ACM Press

Full text available: pdf(187.25 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

20 Distributed match-making for processes in computer networks



Sape J Mullender, Paul M B Vitanyi

April 1986 **ACM SIGOPS Operating Systems Review**, Volume 20 Issue 2

Publisher: ACM Press

Full text available: pdf(846.23 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In the very large multiprocessor systems and, on a grander scale, computer networks now emerging, processes are not tied to fixed processors but run on processors taken from a pool of processors. Processors are released when a process dies, migrates or when the process crashes. In distributed operating systems using the service concept, processes can be clients asking for a service, servers giving a service or both. Establishing communication between a process asking for a service and a process ...

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